

Practice A

For use with pages 14–20

Complete the statement.

- Through any two points there is exactly one ____.
- Through any three points not on a line there is exactly one ____.
- Points that lie on the same line are ____.
- Points that lie on the same plane are ____.

Use the diagram at the right.

- Name two points.
- Name two lines.
- Name two planes.
- Name a point on line m .
- Name a point not on plane S .

**In Exercises 10–12, use the diagrams.**

10. Draw
- \overleftrightarrow{EF}
- or
- \overleftrightarrow{FE}
- .

E

F

11. Draw
- \overleftrightarrow{GH}
- or
- \overleftrightarrow{HG}
- .

G

H

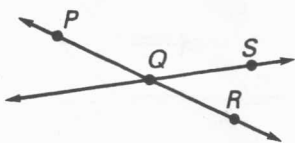
12. Draw
- \overleftrightarrow{JK}
- .

J

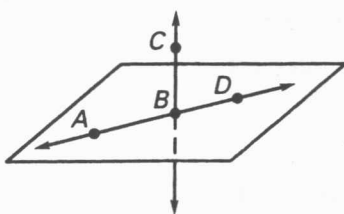
K

Name three points that are collinear and three points that are not collinear.

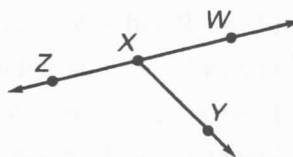
13.



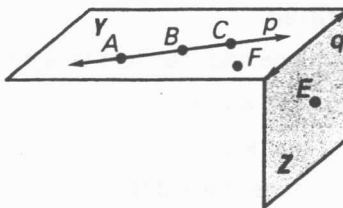
14.



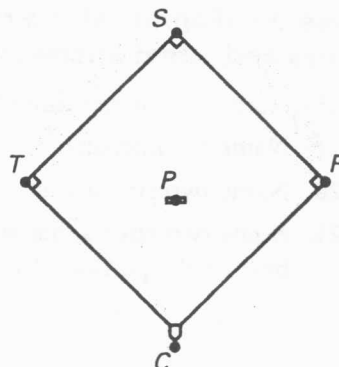
15.

**Use the diagram at the right.**

- Name four points that are coplanar.
- Name two lines that are coplanar.

**Use the diagram at the right of a baseball diamond with points that correspond to a team's player positions.**

- Name two line segments that contain point P .
- Name three points that are on the same line.



Practice A

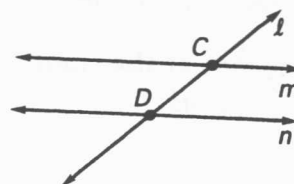
For use with pages 21–27

Complete the statement.

1. If two lines intersect, then their intersection is a ? .
2. If two planes intersect, then their intersection is a ? .

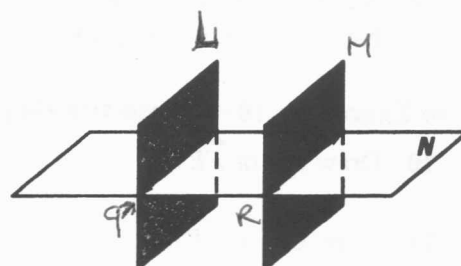
Use the diagram at the right.

3. Name the intersection of line ℓ and line n .
4. Name the intersection of line ℓ and line m .



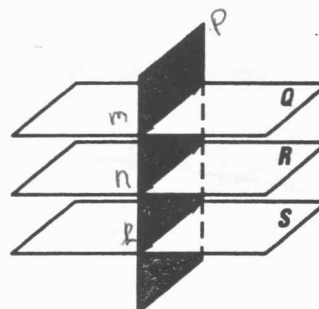
Use the diagram at the right.

5. Name the intersection of planes L and N .
6. Name the intersection of planes N and M .



Use the diagram at the right to decide whether the statement is true or false.

7. Planes Q and R intersect at line n .
8. Planes P and Q intersect at line m .
9. Planes R and S do not appear to intersect.
10. Planes S and P do not appear to intersect.
11. Lines n and ℓ appear to intersect.
12. Planes Q and S intersect at line m .
13. Lines ℓ and m do not appear to intersect.



Sketch the figure described.

14. Two lines that lie in a plane and intersect in a point
15. Two planes that intersect in a line
16. Two planes that do not intersect
17. A line that intersects a plane at a point

Use the diagram at the right that shows streets as lines and street intersections as points.

18. Name the intersection of State Street and Park Street.
19. Name the intersection of Oak Street and State Street.
20. Name two streets that don't appear to intersect.
21. Name two streets that appear to intersect somewhere beyond the portion of the map that is shown.

